



Local Water Impacts from Fertilizers and Soil Erosion

Sponsored by
Macomb County Water Quality Board
Fertilizer subcommittee
Macomb County MSU Extension

Wednesday, June 2, 2004
1:00 to 4:30 p.m. or 6:30 to 9:30 p.m.
Macomb Intermediate School District Bldg.
44001 Garfield Rd., Clinton Twp.
(just south of M-59/Hall Rd.)

Soil erosion is silting waterways, which results in oxygen depletion, reduced aquatic life, excessive turbidity and diminished fish reproduction. The excessive erosion also contributes to reduced carrying capacity in drains which leads to flooding and expensive sewer clean outs. The eroded soil carries extreme amounts of nitrogen and phosphorous. Fertilizer runoff exacerbates this problem and leads to further water quality degradation including inordinate plant and algae growth hampering boating swimming and fishing.

To better understand these problems and what is necessary to correct them we invite you to attend this seminar. The program will cover:

- The connection between soil erosion and fertilizers
- Their impact on local water resources
- Federal and state regulations currently used to enforce
- Proposed state and local ordinances that may impact the future
- Next steps

Speakers from U.S. EPA, MI DEQ, MSU, Macomb DPW, MI Turfgrass Assn., U.S. Army Corps of Engineers, Macomb Health Dept., Water Quality Bd.

Local Water Impacts from fertilizers and soil erosion – June 2, 2004

Name(s) _____

organization _____

address _____

Daytime telephone _____ email _____

Program choice: ☐ 1:00 p.m. ☐ 6:30 p.m.

Please Mail to: MSU Extension, 21885 Dunham Rd., Ste. 12, Clinton Twp., 48036 or fax to: 586-469-6948 or Email : gibb@msue.msu.edu

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Agenda

Welcome, Introductions, Housekeeping

Nutrient Criteria Development in Surface Water

David Pfeifer, U.S. EPA, Region 5

Michigan Water Quality Standards for Surface Waters

Sylvia Heaton, Michigan Dept. of Environmental Quality

Impacts on Water Quality

Fertilizers: *Dr. Kevin Frank, MSU Extension*

Soil Erosion: *NRCS or MSU speaker*

Aquatic Health: *Dr. Linda Schweitzer, WQB/Oakland University*

Current models to Identify problems

Nitrogen & Phosphorus Water Sampling: *Jim Buzonik, Macomb Co. health dept.*

Sediment Transport Model: *Dr. Jim Selegean, U.S. Army corps of engineers*

Proposed Legislation

Michigan & Multi State Fertilizer Ordinance: *Tom Smith, MI Turfgrass Association*

Proposed County Soil Erosion Ordinance: *Lara Sucharski, Macomb Co. Public Works*

Open Discussion with Speakers *(omitted at evening program)*

Closing Remarks, Evaluation

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